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L4: Entry 5 of 5

File: DWPI

Feb 24, 1979

DERWENT-ACC-NO: 1979-25093B

DERWENT-WEEK: 197913

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TITLE: Carotenoid-contg. material for foodstuff colouration - prep'd. by adding alkali to crushed tomatoes, filtering, acidifying filtrate and processing coagulated deposit

PATENT-ASSIGNEE:

ASSIGNEE	CODE
KAGOME KK	KAGO

PRIORITY-DATA:

1977JP-0088850 July 26, 1977

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 54024940 A	February 24, 1979	N/A	000	N/A
JP 80001311 B	January 12, 1980	N/A	000	N/A

INT-CL (IPC): A23L 1/27; C09B 61/00

ABSTRACTED-PUB-NO: JP54024940A

BASIC-ABSTRACT:

The material is prep'd. by (1) adding an alkali to crushed tomatoes or the residue formed during the prodn. of processed tomato foodstuffs contg. carotenoid comprising mainly lycopene to a pH of 7.5-9.0, stirring the mixt. at <65 degrees C in a slight alkaline state for several hrs., and thereby sepg. carotenoid complex from the raw material, (2) filtering and purifying the sepd. liq. using a pulper, shifter or centrifuge to remove unnecessary peel, seeds and fibres, (3) adding an acid to the purified filtrate to such an extent that the filtrate becomes weakly acid and thereby sepg. and depositing carotenoid colour element, and removing the unnecessary upper turbid liq. and (4) controlling the pH of the coagulated deposit, concentrating the deposit, adding an acid to the deposit, and adding appropriate amts. of table salt to the acid deposit.

The carotenoid composite is dispersed smoothly in water-contg. foods in the absence of dispersing agents. The carotenoid composite having a pH of 4-5 and contg. 1% of table salt has water-dispersing property and resists decomposition and can be stored for prolonged periods.

TITLE-TERMS: CAROTENOID CONTAIN MATERIAL FOOD COLOUR PREPARATION ADD ALKALI CRUSH TOMATO FILTER ACIDIC FILTER PROCESS COAGULATE DEPOSIT

DERWENT-CLASS: D13 E24

CPI-CODES: D03-H01E; E25-E;

CHEMICAL-CODES:

Chemical Indexing M4 *01*

Cited by Applicants